

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND DISTRIBUTOR'S INFORMATION					
NFPA Rating: Health-2; Flammability-0; Reactivity-0; Special-0			HMIS Rating: Health-2; Flammability-0; Reactivity-0; Personal Protection-0		
Manufactured For: Address: Tifco Industries Address: 21400 US Highway 290 Cypress, TX 77429 Address:			DOT Hazard Classification: ORM-D Identity (trade name as used on label): <div style="text-align: center;">Safe-Kleen (Aerosol)</div>		
Phone: (281)571-6000			MSDS Number: 9610,9615,9462,9943 Revision- 14		
EMERGENCY RESPONSE NUMBER: Chem-Tel (800)255-3924			Date Prepared: 10/22/97 Prepared By: LF/DL Information Calls: (281)571-6000		
NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA					
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION					
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm) Carcinogen Ref. Source **
TRICHLOROETHYLENE		79-01-6	Yes	50	b
PERCHLOROETHYLENE		127-18-4	Yes	25	a,b
ACETONE		67-64-1	No	1000	d
CARBON DIOXIDE		124-38-9	No	5000	d
WARNING: This product contains a chemical or chemicals known to the State of California to cause cancer.					
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS					
Boiling Point: N/A		Specific Gravity (H2O=1): Concentrate Only = 1.60			
Vapor Pressure: PSIG @ 70°F (Aerosols): 85-100		Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/A			
Vapor Density (Air = 1): N/E		Evaporation Rate (n-butyl acetate= 1): 2.1 (concentrate only)			
Solubility in Water: Insoluble		Water Reactive: No			
Appearance and Odor: Clear, colorless spray with chlorinated solvent odor.					
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA					
FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) NON-FLAMMABLE		Auto Ignition Temperature N/E		Flammability Limits in Air by % in Volume: % LEL: N/E % UEL: N/E	
FLASH POINT AND METHOD USED (non-aerosols): N/A		EXTINGUISHER MEDIA: Foam, dry chemical, carbon dioxide.			
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus.					
Unusual Fire & Explosion Hazards: Do not expose aerosols to temperatures above 130°F or the container may rupture.					
SECTION 4 - REACTIVITY HAZARD DATA					
STABILITY [X] STABLE [] UNSTABLE		HAZARDOUS POLYMERIZATION [] WILL [X] WILL NOT OCCUR			
Incompatibility (Mat. to avoid): Reactive metals, aluminum, magnesium, strong oxidizing agents.		Conditions to Avoid: Open flame, welding arcs, heat.			
Hazardous Decomposition Products: CO2, CO, HCl, small amounts of phosgene and chlorine.					
SECTION 5 - HEALTH HAZARD DATA					
PRIMARY ROUTES OF ENTRY: [X] INHALATION [] INGESTION [X] SKIN ABSORPTION [] EYE [] NOT HAZARDOUS					
ACUTE EFFECTS:					
Inhalation: Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness.					
Eye Contact: Irritation		Skin Contact: Irritation due to defatting of skin.			
Ingestion: Possible chemical pneumonitis if aspirated into lungs. Nausea.					
CHRONIC EFFECTS: (Effects due to excessive exposure to the raw materials of this mixture) May cause liver abnormalities, kidney, spleen, lung or brain damage, cardiac abnormalities. Perchloroethylene has been shown to increase the rate of spontaneously occurring malignant tumors in certain laboratory rats and mice.					
Medical Conditions Generally Aggravated by Exposure: May aggravate existing eye, skin, or upper respiratory conditions.					
EMERGENCY FIRST AID PROCEDURES					
Eye Contact: Flush with water for 15 minutes. If irritated, seek medical attention.					
Skin Contact: Wash with soap and water. If irritated, seek medical attention.					
Inhalation: Remove to fresh air. Resuscitate if necessary. Get medical attention.					
Ingestion: DO NOT INDUCE VOMITING. Drink two large glasses of water. Get immediate medical attention.					
SECTION 6 - CONTROL AND PROTECTIVE MEASURES					
Respiratory Protection (specify type): If vapor concentration exceeds TLV, use respirator approved by U.S. Bureau of Mines for organic vapor.					
Protective Gloves: Neoprene gloves recommended.		Eye Protection: Safety glasses recommended.			
Ventilation Requirements: Adequate ventilation to keep vapor concentration below TLV.					
Other Protective Clothing & Equipment: None					
Hygienic Work Practices: Wash with soap and water before handling food. Remove contaminated clothing.					
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE					
Steps To Be Taken If Material Is Spilled Or Released: Absorb with suitable medium. Incinerate or landfill according to local, state or Federal regulations. Allow to evaporate if small spill. DO NOT FLUSH TO SEWER.					

Waste Disposal Methods: Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.
Precautions To Be Taken In Handling & Storage: Do not puncture or incinerate containers. Do not store at temperatures above 130°F.
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Avoid inhalation of vapors.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

****** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only